



5-Axis Dental Mill with Automatic Disc Changer
DWX-52DCi

THE ULTIMATE IN 24-HOUR PRODUCTIVITY

Now with performance monitoring software

The ultimate in ease, material flexibility and unattended production, the DWX-52DCi Dental Mill expands your lab production with a 6-slot Automatic Disc Changer (ADC), 15-station Automatic Tool Changer and other automated features. It gives users of all skill levels a powerful, efficient and affordable dental restoration solution that now includes performance visualization software and other intelligent updates.

DWX-52DCi



Mill Multiple Zirconia Shades, Day and Night

Increase productivity with a mill that continues working, even when your lab is closed. Load up-to six 98.5mm discs in the ADC and mill the following materials:

- Zirconia
- PMMA
- Gypsum
- PEEK
- Glass fiber reinforced resin
- Composite resin
- CoCr sinter metal



Performance Software for Added Efficiency

New DWINDEX software enables users to analyze production results. It offers data gathering and comparison for tool operation, material operation, and more.



Production Made Easy with Automatic Milling

The DWX-52DCi features a 15-station Automatic Tool Changer (ATC) for continuous milling and auto-adjusted air pressure that automatically switches to the right air volume in response to the CAM software material data.

Even Simpler Operation with Intuitive VPanel Software

An upgraded Virtual Machine Panel (VPanel) automatically swaps out used burs (ITC function), conducts machine diagnostics, and offers one-touch machine calibration. New and improved features include user-defined ATC tool positioning, email notifications for maintenance and milling status, and machine management for up-to four DWX-52DCi units at once.



Economical Open Architecture

The DWX-52DCi doesn't tie users to specific software or proprietary control source. Users have the freedom to work with the latest CAD/CAM software, scanners and materials of their choice

Reliability and Support

DGSHAPE by Roland ensures that your machine is always up-and-running with a two-year warranty, plus the best support in the industry from a network of customer support representatives, dedicated dealers and certified service engineers.





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Ideal for the production of high-quality bridges, crowns, inlays, onlays, abutments and other restorations.

Specifications	
Cuttible material	Zirconia, Wax, PMMA, Composite resin, PEEK, Gypsum, glass fiber reinforced resin, Chrome Cobalt sintered metal
Loadable workpiece shape	Step section 98.5 mm (diameter), height 10mm
	Body section 95 mm (diameter), height max 35mm
	Pin diameter Pin diameter: 6 mm
Loadable workpiece weight	Up to 1.87 lbs (850 g)
Number of adapters housed	6
Operating speed	XYZ axis: 6 to 1,800 mm/min. (0.24 to 70.9 in./min.)
Spindle motor	Brushless DC Motor
Spindle speed	6,000 to 30,000 rpm
Rotary axis travel angle	A: ±360°, B: ±30°
Number of burs housed	15
Attachable bur	Shank 4 mm (diameter), 40-55 mm (length)
Compatible compressed air	0.2 MPa
Interface	USB
Control command set	RML-1, NC code
Power requirements	AC 100 VAC ±10%, 50/60 Hz (overvoltage category II, IEC60664-1), 2.0 A
Power consumption	Approximately 200 W
Operating noise	During operation : 70 dB(A) or less (when not cutting), During standby: 45 dB(A) or less
External dimensions	Width x Depth x Height: 34.6 in. x 26.0 in. x 23.6 in. (880 mm x 660 mm x 600 mm)
Weight	231.5 lbs. (105 kg)
Installation environment	Indoor use, Altitude: Up to 6,562 ft. (2,000m), Temperature: 41 to 104 °F (5 to 40°C), Humidity: 35 to 80% (no condensation), Ambient pollution degree: 2 (as specified by IEC 60664-1), Short-term temporary overvoltage: 1,440 V, Long-term temporary overvoltage: 490 V
Included items	Power cord, power plug adapter, USB cable, setup guide, user manual, VPanel, Roland DG software package CD, detection pin, automatic correction jig, pin-type material adapter, hexagonal screwdriver, wrench, milling bur holders, milling bur positioner, dust collection hoses, dust collection hose adapter, regulator, cleaning tool, optional adapter ID labels, material adapters, disc adapter rack, DWINDEX reporting software, brush
Operating system	Windows® 7/8/8.1/10 (32 or 64 bit)

DGSHAPE by Roland

For 30 years, Roland has provided practical and reliable technology with unmatched service and support. DGSHAPE by Roland further delivers on this reliability promise but also improves user experience, making it easy for labs to produce high quality, cost effective dental prosthetics while improving workflow efficiencies.

The DWX-52DCi is crafted in Japan as a Class I medical device. With meticulous build quality and in accordance with the highest industrial standards, it offers users added assurance should any medical compliance laws change.

Find out more about automated dental milling, day and night at rolanddga.com/DWX-52DCi

Get social with us.



FOR MORE INFORMATION OR TO FIND A DEALER NEAR YOU, CALL 800-542-2307 OR VISIT WWW.ROLANDDGA.COM/DWX52DCi
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 RDGA-DWX52DCi-1 February 2018 Roland DG's international ISO certifications are your assurance of our commitment to quality products and service | Roland DGA Corp. has licensed the MMP technology from the TPL Group.

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